

COMMENTS

The enclosed is responsive to the Examiner's Office Action mailed on November 5, 2002. At the time the Examiner mailed the Office Action claims 23 through 65 were pending. By way of the present response, the Applicant has: 1) canceled claims 60, 61 and 62; 2) amended claims 53, 59 and 63 through 65; and, 3) added new claims 68 through 86. As such, claims 23 through 59 and 63 through 86 are pending. No new matter has been added. The Applicant respectfully requests reconsideration of the present application and the allowance of claims 23 through 59 and 63 through 86.

The Examiner objected to claim 53 because of an informality regarding the phrase "said a switch". In response, the Applicant has amended the phrase "said a switch" so as to recite "said switch". The Applicant respectfully submits that, by way of this amendment, the Examiner's grounds for objection to claim 53 has been overcome.

The Examiner has rejected independent claims 23 and 36 under 35 USC 103 as being obvious in light of the combination of U.S. Patent No. 6,052,448 (hereinafter, "Janning") and U.S. Patent No. 4,788,719 (hereinafter, "Gupta"). "To establish a *prima facie* case of obviousness ... the prior art reference (or references when combined) must teach or suggest all the claim limitations." MPEP 2143.

The Applicant respectfully submits that the combination of Janning and Gupta fails to teach every claim element of claims 23 and 36. With respect to Janning and claim 23, the Applicant respectfully submits that Janning clearly fails

to teach or suggest “reducing [the size of a call record] *in response to* said call transitioning from an *establishment phase* to an *active phase*.” (emphasis added). Instead, viewing Janning in its most favored light with respect to the Examiner’s position, Janning can only be reasonably regarded as teaching or suggesting “reducing [the size of a call record] *in response to* said call transitioning from an *active phase* to a *release phase*.” Here, column 4, line 4 of Janning clearly reveals that formatter 28 is engaged to reduce “raw information” into a call detail record (CDR) only “[w]hen the call is disconnected”. Because a *call disconnect* is clearly more analogous to a *release phase* than an *establishment phase* or an *active phase*, it is clear that Janning can at most only be regarded as teaching or suggesting the reducing of a call record size in response to a transition from an *active phase* to a *release phase*. Therefore Janning does not teach or suggest “reducing [the size of a call record] *in response to* said call transitioning from an *establishment phase* to an *active phase*”.

Moreover, with respect to Janning and claim 36, Janning only discloses *the reduction* of call record data and does not disclose *the expansion* of a call record data. Therefore Janning also clearly fails to teach or suggest “*expanding* [the size of a call record] in response to said call transitioning from an active phase to a release phase.” (emphasis added).

With respect to Gupta and claims 23 and 36, Gupta simply fails to teach or suggest a change in *size* of a call record. Gupta only teaches or suggests that: 1) a call record “is established” (See, Gupta, Col. 3, lines 43-44 and Col. 4, lines 10, 12, 25, 27, 36, 38, 49 and 61); and, 2) that the *size* of an established call record *does not change*. With respect to the second point highlighted just

above, Col. 4 lines 64 through 68 of Gupta clearly reveal that the size of a call record is “reserved” in a “portion of memory” and that a recording program “fill[s] in” this pre-reserved portion of memory with updated data. As a consequence, the Examiner’s contention that the updating of the termination or ending time (ENDT) of Gupta corresponds to an *expansion* of a call record *size* is misguided (See, Examiner’s Office Action mailed 11/05/02, page 3). Because the memory portion for the full call record is reserved beforehand, the ENDT updating of Gupta merely describes a process in which a data value within a pre-established region of memory is *changed* (i.e., the pre-established “portion of memory” corresponds to a *fixed* amount of memory space that the recording program “fills in”). Gupta therefore does not teach that the *size* of the call record *expands* as part of the ENDT updating process. Thus, it is impossible for Gupta to teach or suggest the “reducing” of claim 23 or the “expanding” of claim 36.

In light of the comments presented above, it is clear that the combination of Janning and Gupta fail to: 1) teach or suggest each of the elements of claim 23; and, 2) teach or suggest each of the elements of claim 36. Furthermore, in light of the reasoning provided in the preceding paragraphs, it is also clear that the combination of Janning and Gupta also fail to teach the claim elements of the remaining independent claims 40, 53, 59, 68 and 74.

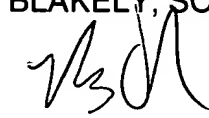
As a consequence, the Applicant respectfully submits that each of the independent claims of the present Application are allowable and, therefore, all claims of the present application are in condition for allowance. The Applicant therefore respectfully requests the allowance of all claims.

If there are any additional charges, please charge them to our Deposit Account Number 02-2666. If a telephone conference would facilitate the prosecution of this application, the Examiner is invited to contact Robert B. O'Rourke at (408) 720-8300.

Respectfully submitted,

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Dated: 2/4, 2003



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AMENDMENTS SHOWING CHANGES

Cancel claims 60, 61 and 62

53. (once amended) An apparatus, comprising:

- a) a switch device; and,
- b) a switched virtual circuit (SVC) controller that manages memory space where call records are stored for calls that flow through said switch device, said [a] switched virtual circuit (SVC) controller configured to reduce the size of a call record maintained for a call that flows through said switch device, said reducing in response to said call transitioning from an establishment phase to an active phase.

59. (once amended) An apparatus, comprising:

means for reducing the size of a call record maintained for a point-to-multipoint call, said reducing in response to said call transitioning from an establishment phase to an active phase[.]; and,
means for expanding said call record during said active phase to include information used to add a party to said call.

63. (once amended) The apparatus of claim [62]59 further comprising means for reducing said call record during said active phase in response to said party being added to said call.

64. (once amended) The apparatus of claim [61]~~59~~ further comprising means for expanding said call record during said active phase to include information used to drop a second party from said call.

65. (once amended) The apparatus of claim 64 further comprising means for reducing said call record during said active phase in response to said second party being dropped from said call.

68. (new) An apparatus, comprising:
means for reducing the size of a call record maintained for a point-to-multipoint call, said reducing in response to said call transitioning from an establishment phase to an active phase; and,
means for expanding said call record during said active phase to include information used to drop a party from said call

69. (new) The apparatus of claim 68 further comprising means for expanding said call record during said active phase to include information used to add a second party to said call.

70. (new) The apparatus of claim 69 further comprising means for reducing said call record during said active phase in response to said second party being added to said call.

71. (new) The apparatus of claim 68 further comprising means for reducing said call record during said active phase in response to said party being dropped from said call.

72. (new) The apparatus of claim 68 wherein said call is transported through an ATM network.

73. (new) The apparatus of claim 68 further comprising means for expanding the size of said call record in response to said call transitioning from said active phase to a release phase.

74. (new) An apparatus, comprising:

means for reducing the size of a call record maintained for a call, said reducing in response to said call transitioning from an establishment phase to an active phase;

and

means for expanding the size of said call record in response to said call transitioning from said active phase to a release phase.

75. (new) The apparatus of claim 74 wherein said means for reducing further comprises means for discarding timer information from said call record, said timer information used to determine if a time-out situation has occurred.

76. (new) The apparatus of claim 74 wherein said means for reducing further comprises means for discarding retry counter information from said call record, said timer retry counter information used to determine how many times a call set-up retry should be attempted.

77. (new) The apparatus of claim 74 wherein said means for reducing further comprises means for discarding pointer information from said call record, said

pointer information to setup messages that are processed or forwarded by a controller.

78. (new) The apparatus of claim 74 wherein said call is a point-to-point call.

79. (new) The apparatus of claim 74 wherein said call is a point-to-multi-point call.

80. (new) The apparatus of claim 79 further comprising means for expanding said call record during said active phase to include information used to add a party to said call.

81. (new) The apparatus of claim 80 wherein said information further comprises a pointer to a mini-call record.

82. (new) The apparatus of claim 80 further comprising means for reducing said call record during said active phase in response to said party having been added to said call.

83. (new) The apparatus of claim 79 further comprising means for expanding said call record during said active phase to include information used to drop a party from said call.

84. (new) The apparatus of claim 83 wherein said information further comprises a pointer to a mini-call record.

85. (new) The apparatus of claim 83 further comprising means for reducing said call record during said active phase in response to said party being dropped from said call.

86. (new) The apparatus of claim 74 wherein said call is transported through an ATM network.